

Important Note

The SRCOOL7KRME is ideal for enclosures with perforated doors (not for use in enclosures with solid/plexiglass/glass doors). Install the unit using a bottom-mounting configuration only, with the enclosure's floor open and no tray or pan below the SRCOOL7KRME. Evaporator coils can be vented through the enclosure's rear perforated doors or optional SRCOOL7KDUCT (no solid doors). In an open frame application, cooling air delivered to the equipment is lessened, since cold air escapes into the room. Condenser must be ducted using the SRCOOL7KDUCT.

AC Unit for Server Racks - 9,000 BTU (2.7 kW), 120V, R32 Refrigerant, 8U Rack, Black

MODEL NUMBER: SRCOOL7KRME



Rack-mount air conditioning unit uses efficient close-coupled cooling to prevent equipment shutdowns and malfunctions due to overheating.

Features

9,000 BTU of Cooling Power Protects Your Equipment Against Hazardous High Heat

This SRCOOL7KRME server rack cooling unit uses R32 refrigerant to pump 9,000 BTU/h (2.7 kW) ASHRE of cooling into your IT environment to help prevent shutdowns, malfunctions and other failures caused by overheating or fluctuating temperatures. R32 has a significantly lower global warming potential (GWP) compared to traditional refrigerants, which helps reduce the overall impact on climate change. Adopting R32 ensures compliance with current and upcoming regulations set by the U.S. Environmental Protection Agency (EPA), the State of California and Canada, as well as the latest standards for the Department of Energy (DoE), California Energy Commission (CEC) and Natural Resources Canada (NRCAN) for portable air-conditioning units, ensuring energy efficiency and compliance with the environmental standards.

Saves Valuable Floor Space in Your IT Environment

The self-contained SRCOOL7KRME chassis mounts in 8U of space at the bottom of an EIA-standard rack enclosure to save floor space in a small-to-medium-sized data center, server room, network closet or other environment with heat-sensitive rack equipment. A directional output vent aims the air upward, directly at rack equipment. The SRCOOL7KRME solves your heat-related problems without requiring the heavy costs of new construction, time-consuming maintenance or installation specialists.

Quiet, Efficient Close-Coupled Cooling Ensures the Cool Air Goes Where Most Needed

Close-coupled air conditioning delivers cold air near heat loads to discourage recirculation and increase energy efficiency as much as 39 percent. A magnetic air dam attached to the front door of the rack enclosure makes sure your rack equipment draws cool air from the SRCOOL7KRME, rather than drawing warm air from the room. Because it only cools the equipment inside the rack enclosure, the SRCOOL7KRME is much more efficient than solutions that cool an entire room to achieve the same result. The SRCOOL7KRME also filters the air, and its built-in evaporator eliminates condensation with no floor drain or water collection tank needed.

Designed for Easy and Convenient Operation

Highlights

- 9,000 BTU/h (2.7 kW) ASHRE prevents heat-related equipment malfunctions and downtime
- Lower-GWP with R32 refrigerant and up to 39% more energy efficient
- Optional network management card enables remote monitoring and control
- Compliant to the highest efficiency standards by CEC, DoE, NRCAN and EPA/AIM
- Mounts in 8U of space at the bottom of an EIA-standard 19 in. rack enclosure

Package Includes

- SRCOOL7KRME Rack-Mounted Server Rack Cooling Unit
- Magnetic air dam kit
- Directional output vent
- Rack-mounting hardware
- Owner's manual



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The intuitive control panel includes a digital display and diagnostic LEDs to communicate operating conditions at a glance. The SRCOOL7KRME restarts automatically after power failures, and you can set the built-in timer to schedule unattended shutdowns and startups. The 2.1-meter (seven-foot) power cord plugs into a standard 15A (NEMA 5-15R) outlet.

Optional Network Interface Offers 24/7 Access

The optional SRCOOLNET2LX remote management accessory (sold separately) allows you to monitor temperatures, receive alerts, review logs and control settings over an Ethernet network from any location via SNMP, web browser, SSH or telnet. SRCOOLNET2LX also includes an ENVIROSENSE® temperature and humidity sensor that lets you link cooling output with temperature readings up to 12 feet (3.7 meters) away.

Specifications

OVERVIEW	
UPC Code	037332289162
INPUT	
Electrical Consumption (Max)	1020 Watts
Nominal Input Voltage(s) Supported	120V AC
Nominal Input Voltage Description	120V AC 60 Hz
Input Connection Type	NEMA 5-15P
Input Plug Features	NEMA 5-15P
Voltage Compatibility (VAC)	120
Input Frequency	60 Hz
Input Cord Length (ft.)	7
Input Cord Length (m)	2.13
OUTPUT	
Frequency Compatibility	60 Hz
COOLING	
Airflow	198.25 CFM
Cooling Type	Active
Cooling Capacity (BTUs)	ASHRE capacity (35/28.3) 9,000 BTU, CRAC Capacity (35/20) 6,500 BTU, CSA370 Capacity (27/19) 7,000 BTU
Cooling Capacity (kW)	2.7
Refrigerant	R32 (Environmentally friendly, Non ozone depleting)
Refrigerant Amount	0.63 lb / 258 g
Equivalent Room Size	25 sq. m (250 sq. ft.)
USER INTERFACE, ALERTS & CONTROLS	
Front Panel LCD Display	2-digit LCD displays numerical temperature readout



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Front Panel LEDs	Push-button control panel with multiple LEDs for operational configuration
PHYSICAL	
Color	Black
Rack Height	8U
Form Factors Supported	Rackmount
Shipping Dimensions (hwd / in.)	22.80 x 22.70 x 27.50
Shipping Weight (kg)	36.29
Unit Dimensions (hwd / in.)	13.900 x 17.350 x 22.520
Unit Dimensions (hwd / cm)	35.3 x 44.1 x 57.2
Unit Weight (lbs.)	61.6
Unit Weight (kg)	27.94
COMMUNICATIONS	
SNMP Compatibility	 SRCOOLNET2LX < (Optional) remote management accessory for remote monitoring and control
FEATURES & SPECIFICATIONS	
Compressor Type	Rotary
Dehumidifier	1.25 (30 DEG. C, 80% RH)
Sound Level (Noise)	65dB
Amp Draw Nominal	6.6A
STANDARDS & COMPLIANCE	
Product Certifications	CSA (Canada); NOM (Mexico); UL 60355
Product Compliance	CEC (California Energy Commission), Title 20, California Code of Regulations (CCR); DOE (Department of Energy), Title 10 Code of Federal Regulations (CFR) 430; NRCAN (Natural Resources Canada); RoHS
WARRANTY & SUPPORT	
Product Warranty Period (Worldwide)	2-year limited warranty

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